



Variability of climate change in India

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Abstract:

In this article meteorological measurements in India are analysed showing marked trends of increasing temperature over the past quarter century, but significant variations in these trends during different seasons and over different regions of India. Marked differences between the variations in minimum temperatures in North and South India have been brought out. Tentative explanations are proposed in terms of the effects of variations in cloudiness. The effects of airborne dust on clouds and on precipitation, as well as the interactions between airflow over the mountains and the monsoon may also have a significant effect on climatic variations. The practical implications of these changes in climate for agriculture and the effects on human health through increasing temperature are likely to be serious, and vary significantly across the regions of India. For India, the importance of dealing with climate change as an integral part of its economic and social development is strongly emphasized.

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Resource Description

Communication:

resource focus on research or methods on how to communicate or frame issues on climate change;
surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience:

audience to whom the resource is directed

Policymaker

Exposure :

weather or climate related pathway by which climate change affects health

Food/Water Security, Temperature

Food/Water Security: Agricultural Productivity

Geographic Feature:

resource focuses on specific type of geography

Climate Change and Human Health Literature Portal

None or Unspecified

Geographic Location: ☒

resource focuses on specific location

Non-United States

Non-United States: Asia

Asian Region/Country: India

Health Impact: ☒

specification of health effect or disease related to climate change exposure

Health Outcome Unspecified

Resource Type: ☒

format or standard characteristic of resource

Research Article

Timescale: ☒

time period studied

Time Scale Unspecified